M. A. R. 57 (Rule 116)
Measurement Book

No. B 178525

Serial No. 2nd and final Bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Technical Manager (West) KREDL, Bangalore

Date of commencement of work..... D.O. Receipt - 26-10-2018

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Name of Works : Comp. Roads and drains at Medarahally village cross Roads and Kumaraly cross in Ward No.12, Shettyhally Sub-Division.						
	Estimated cost Rs 50.00 Lakhs						
	JOB No	-012-18-000002 - P-Code				P-3332 - [2017-18]	
	Work order No	- EE1/DD/WO/34/2017-18 - Dt. 11-09-2018.					

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MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 178526

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(1)	Earth work excavation by manual means in ordinary soil including average height upto 2m and average lift upto 1.5m, excavated surface levelled and sides neatly dressed, disposal earth to be leveled neatly after breaking clods complete as per specifications of Engineer-in-charge of the work.						
						Qty as per MB. p. 178571	
						If no (1) 682.80 m³ @ 175.36/-	1201540
2)	Providing and laying in position plain cement concrete						

Material No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	mix 1:4:8 with approved 18mm down size graded granite metal coarse aggregate 0.85 m³ and fine aggregate 0.57 m³ machine mixed, smooth laid in layers not exceeding 15cms thickness compacted, in foundation including curing all materials, labour, hoisting machinery, curing complete as per specifications and directions of Engineer-in-charge of work.						
						Qty as per MB. p. 178593	
						If no (2) 87.85 m³ @ 5259.02/-	463537.95

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	3) Providing and laying in position reinforced cement concrete of design mix M-20 with opc cement @ 370 kg/m³ with 20mm and down size granite metal coarse aggregate 0.69 m³ and fine aggregate @ 0.44 m³, with super plasticizer @ 3 l/m³ conforming to IS-9103-1999 reaffirmed 2008, machine mixed concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation, footings, pedestals, retaining wall, staircases, retaining walls, returns, buttresses, steps in each courses, parapet, bed blocks, anchor blocks etc						

M. A. R. 57 (Rule 116)
Measurement Book
No. B 178527

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Complete as per specification and directions of Engineer-in-charge of work						
	(a) For Re drain Bottom Concrete						
	9 kg as per MB.						
	20 nos @ 0.00 = 178560 = 99.164 m³						
	(b) For drain Both Wall						
		2 × 1	26.40	0.15	0.65	5.157	
	Cross-Road 4)	2 × 1	19.50	0.15	0.65	3.8	

Assistant Executive Engineer
Shettyhalli Sub-Division

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 178523

rial No. .....

me of work ..... From ..... To .....

me of Contractor of nature of Agency.....

te of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	R/S	2×1	19.80	0.15	0.70	4.10	
		2×3	30.40	0.15	0.70	18.97	
		2×1	3.40	0.15	0.70	0.71	
	Leg body	2×3	30.40	0.15	0.70	18.97	
		2×1	29.50	0.15	0.70	6.20	
	CRoad-2 L/S	2×3	30.40	0.15	0.70	18.97	
		2×1	19.80	0.15	0.70	3.71	
		2×3	30.40	0.15	0.70	18.97	
		2×1	6.00	0.15	0.70	1.26	
	Bnd. Road	2×1	28.30	0.15	0.70	5.94	
		2×1	30.00	0.15	0.70	6.30	

Assistant Executive Engineer
Shettyhalli Sub-Division

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Culverts -1	2×1	5.80	0.35	0.70	2.84	
		2×1	6.60	0.35	0.70	3.23	
		2×1	5.60	0.35	0.70	2.74	
		2×1	5.60	0.35	0.70	2.74	
	Deck Slab	1×1	5.80	1.50	0.25	2.18	
		1×1	6.60	1.50	0.25	2.48	
		1×1	5.60	1.50	0.25	2.10	
		1×1	5.60	1.50	0.25	2.10	
	Ramp	2×1	5.80	0.40	0.10	0.46	
		2×1	6.60	0.45	0.15	0.89	

Assistant Executive Engineer
Shettyhalli Sub-Division

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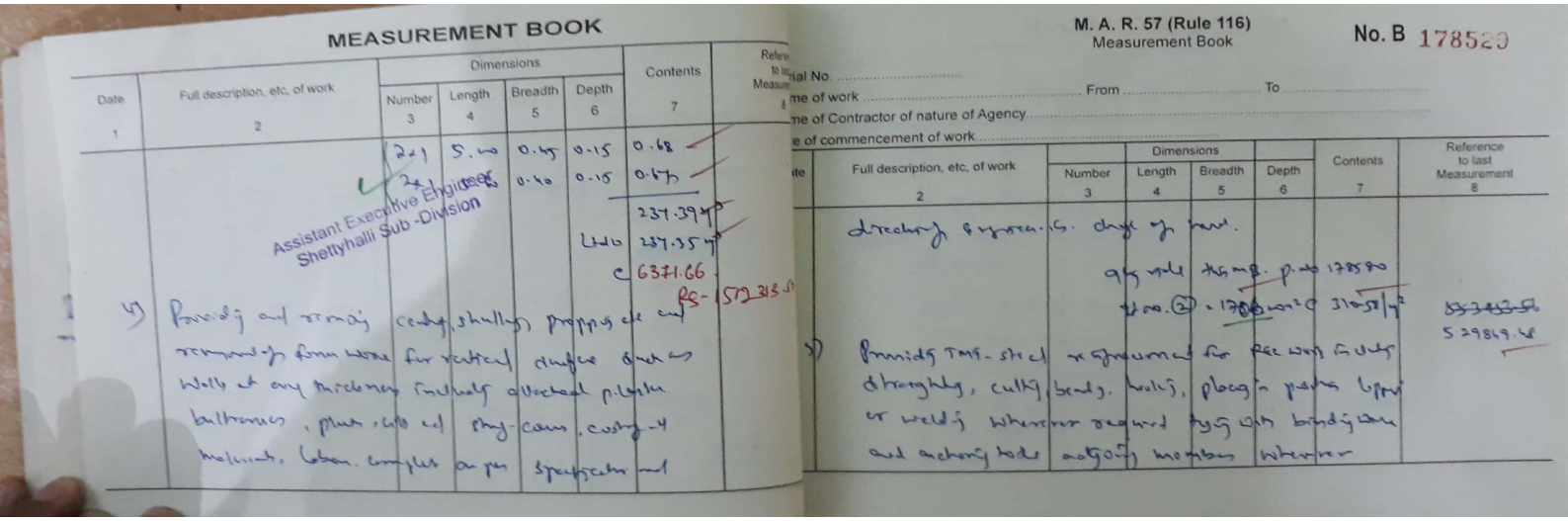

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		12+1	5.10	0.45	0.15	0.68	
		24		0.40	0.15	0.67	
						237.39	
					Total	237.35 m³	
					@	6371.66	
						Rs- 1512.31.0	
	4) Providing and removing centring, shuttering, propping etc complete removing from work for vertical surface of walls at any thickness including all lifts, labour charges, plant, tools etc complete as per specification and						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 178529

Assistant Executive Engineer
Shettyhalli Sub-Division

rial No. .....
me of work ..... From ..... To .....
me of Contractor of nature of Agency.....
e of commencement of work.....

ate	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	directing & supervising charge of work.						
	@ 1% on 178580						
	1% on ② = 1786 m² @ 310.58/m²						55345.50
							5 29849.68
	5) Providing TMT-steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position binding or welding wherever required with binding wire and anchoring into adjoining members wherever						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measuring Completion per design						
b)	Providing and laying reinforced cement precast slabs, mix. c.c. 1:1½:3 using 20mm and down graded granite metal using M40-10mm, die-stock 100 mm cube testing and completion per specifications						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 178533

...rial No. .....
...me of work ..... From ..... To .....
...me of Contractor of nature of Agency .....
...e of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	a)- (Row - Road - 1) Rly	1	22.40	0.90	-	23.76	
	c/s. Road -	1	19.50	0.90	-	17.55	
	(M-0 - 289 -	1	19.50	0.90	-	17.55	
		3×1	30.40	0.90	-	81.00	
		1×1	3.40	0.90	-	3.06	
	Rly	3×1	30.40	0.90	-	81.00	
		1×1	29.50	0.90	-	26.55	
	Row - Road - 2	1×1	28.30	0.90	-	25.47	
	(b) (Row - Road - 2 (M-0 - 265) Rly	3×1	30.40	0.90	-	81.00	

Assistant Executive Engineer
Shettyhalli Sub - Division

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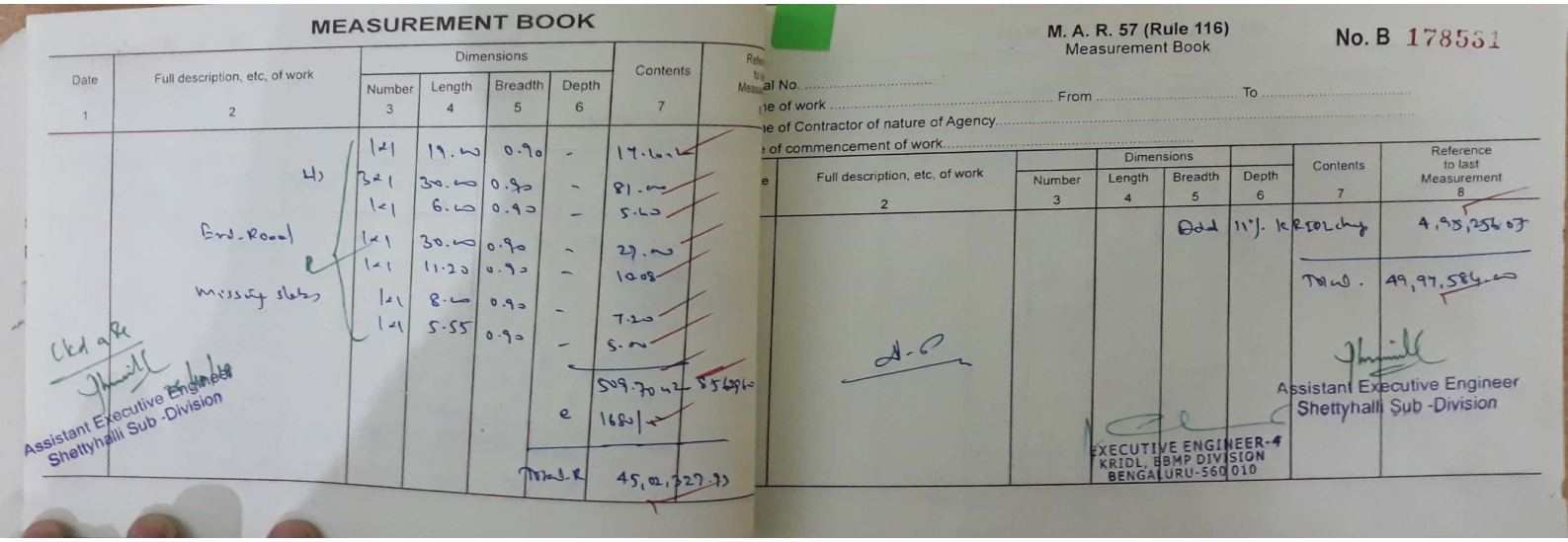

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
		1×1	19.00	0.90	-	17.10	
		3×1	30.00	0.90	-	81.00	
		1×1	6.00	0.90	-	5.40	
	End Road	1×1	30.00	0.90	-	27.00	
		1×1	11.20	0.90	-	10.08	
	missing slabs	1×1	8.00	0.90	-	7.20	
		1×1	5.55	0.90	-	5.00	
						509.70 m²	85696
					e	1684/2	
						Total R	45,02,327.93

Assistant Executive Engineer
Shettyhalli Sub -Division

M. A. R. 57 (Rule 116)
Measurement Book

No. B 178531

Measurement No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
				Add	11'J. KRIDL chg		4,93,256.07
						Total.	49,97,584.00

Assistant Executive Engineer
Shettyhalli Sub -Division

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

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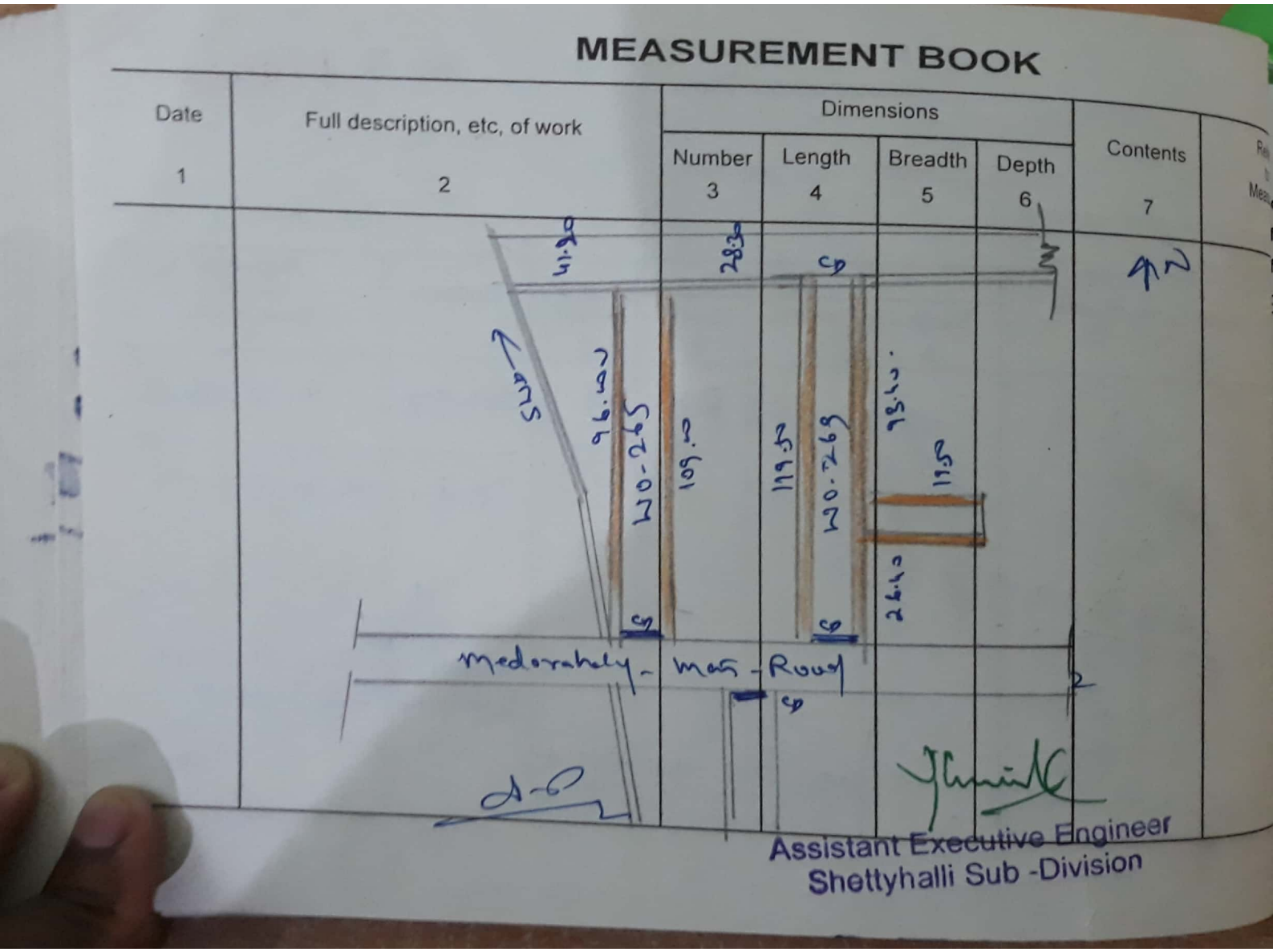
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	



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